

FUEL DISTRIBUTION SYSTEM OPERATOR WG-5413-10

FUELS

FUEL DISTRIBUTION SYSTEM WORKER, WG-5413-

JOB SUMMARY

This position is located in the Fuel Division Mechanical Operations Branch, Supply Department. Incumbent performs various tasks in the maintenance, operation, inspection and quality control of the Division.

TYPICAL WORK PERFORMED

1. The incumbent operates pumps and accessory equipment to receive, load, unload, transfer liquid fuels and similar products through pipeline and hoses to and from tank farm, fueling pits, aircraft or tank truck. Makes adjustments to pumps and valves to control fuel flow. [Performs quality surveillance of the fuels distribution systems, POL products, in compliance with directives from higher authority and local instructions. Performs prescribed tests as: sediment, distillation, flash point, gravimetric, free water, anti icing inhibitor, filtration time, and solids test. Sounds tanks, using plumb bob and scale, prior to, during, and at the end of fuel operations to determine net volume received, transferred, or issued. Conducts investigation on problems involving contaminated petroleum products and containers, ascertaining the reason for suspecting contamination. Obtains samples, maintains quality assurance records and conducts identification tests locally or prepares samples for forwarding to a full scale laboratory for chemical analysis. Cleans tanks and lubricates equipment, packs valves, replaces strainers and filters, installs gaskets, makes adjustments and minor emergency repairs to pumps, valves, meters and mobile refueling equipment, in accordance with OPNAV 4790.4, Maintenance and Material Management (3M), NAVAIR 06-30-501, NAVFAC MO-230, and NAVAIR 06-05-502.
no-20T-109.] Product
Testing
↓ 2A
55%
2. Incumbent operates assigned vehicles such as tank trucks and tank trailers delivering fuel to aircraft, mobile equipment and locations throughout the station. Controls movement of fuels throughout an extensive pipeline and tank farm dispensing system; using central control boards, electrical pumps, automatic gauging equipment and similar dispatching facilities. NOW
45%

KNOWLEDGE REQUIREMENTS

The incumbent reads blue prints showing location of pipelines in tank farm and pump stations. Reviews specifications of petroleum products. Possess a thorough knowledge of the chemical, physical and handling characteristics of all types of petroleum and related products. Knowledge of operation of pumps, piping tanks and their appurtenances, pumping and loading procedures, experience in gauging techniques and ability to interpret and understand schematic piping and flow diagrams, blueprints, various complex standards and specifications. Possess mathematical knowledge sufficient to accurately accomplish quantity computations from calibration charts and knowledge of ability to use, calibrate and maintain a wide array of petroleum laboratory testing equipment, determine sampling procedures and evaluate test results in relation to product quality.

Requires possession of a commercial driver's license for Class B vehicles w/ hazardous material endorsement.

RESPONSIBILITY

Incumbent works under the general supervision of the mechanical operations foreman. Work is spot checked for results and adherence to pertinent instructions. Instructs trainee about 5% of time as a result of on the job training program. Instructs truck drivers entering storage loading, or unloading areas as to safety factors or precautions. Is continually alert for correction of hazardous conditions.

PHYSICAL DEMANDS

Work pace is rapid at all times and occasionally involves long hours when peak air operations puts an unplanned workload on distribution system. Average weights handled are less than 100 pounds which are not carried more than a few feet. Climbs, reaches, and lifts while working on top mobile refuelers or storage tanks.

HAZARDS

Works outdoors and is exposed to all types of weather conditions and the extremes of heat, sun, dirt and noise and unpleasant jet fuel odors for long periods of time. Works around moving fuel trucks. Is continuously exposed to hazardous conditions in handling fuels, such as possible explosion and personal discomfort.

WORKING CONDITIONS

The incumbent works outside in all kinds of weather. Exposed to high intensity jet engine noise, unpleasant odor from fuels and exhaust. Exposed to hazards involved in working with highly combustible fuels. Follows safety regulations and uses safety equipment and precautions to avoid danger from fumes and to avoid slipping or falling. Is prone to have skin and clothing soiled with petroleum products.